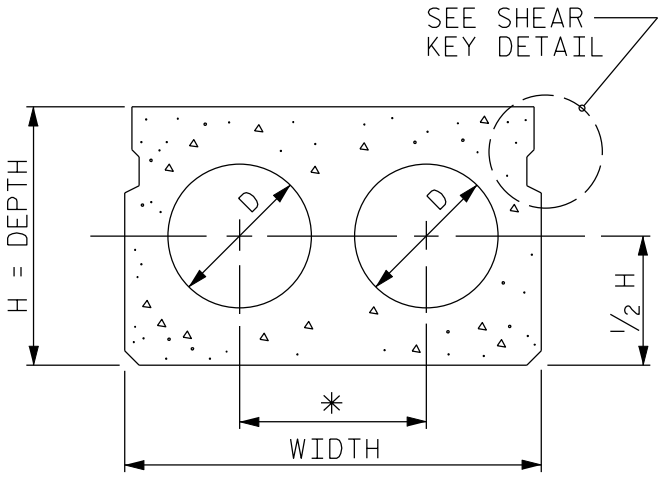
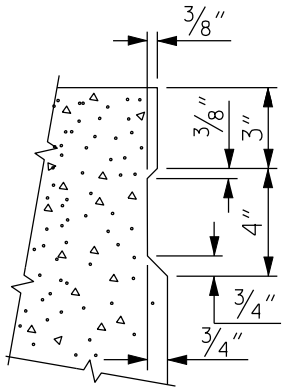
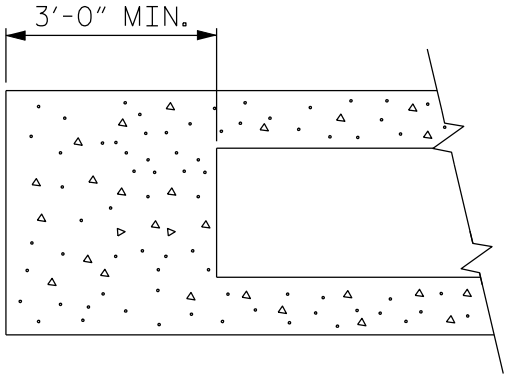


SLAB SECTION



SHEAR KEY DETAIL



TYP. LONGITUDINAL SECTION

21" CORED SLAB W/8" VOIDS	
AREA: 647.9 $in.^2$ 4.4994 $ft.^2$	
WEIGHT: 4.4994 X 150 = 675 lbs/ft.	
I_{XX} = 27020 $in.^4$	I_{YY} = 72458 $in.^4$
W = 3.00 ft.	J = 53610 $in.^4$
* = 16.00 in.	C_T = 10.577 in.
H = 21.00 in.	C_B = 10.423 in.
D = 8.00 in.	S_T = 2555 $in.^3$
	S_B = 2592 $in.^3$

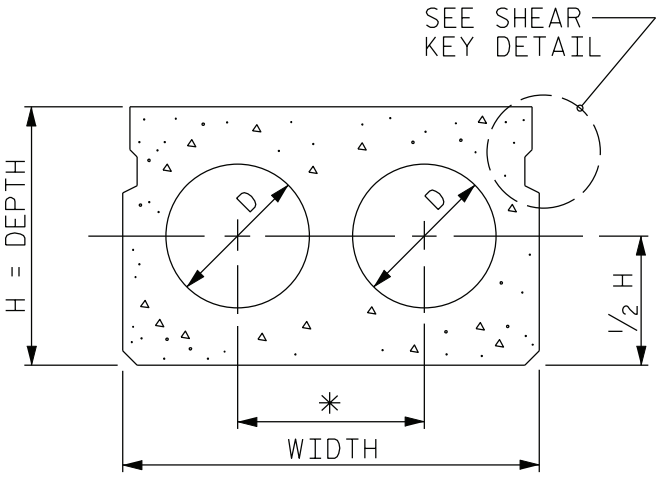
21" CORED SLAB W/10" VOIDS	
AREA: 591.4 $in.^2$ 4.1067 $ft.^2$	
WEIGHT: 4.1067 X 150 = 616 lbs/ft.	
I_{XX} = 26442 $in.^4$	I_{YY} = 68265 $in.^4$
W = 3.00 ft.	J = 53656 $in.^4$
* = 16.00 in.	C_T = 10.585 in.
H = 21.00 in.	C_B = 10.415 in.
D = 10.00 in.	S_T = 2498 $in.^3$
	S_B = 2539 $in.^3$

1'8 6"

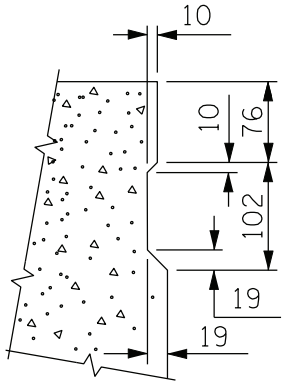
CORED SLAB PROPERTIES

(FOR USE WHEN ANCHORED TEMPORARY BARRIER RAIL ATTACHMENT IS REQUIRED.)

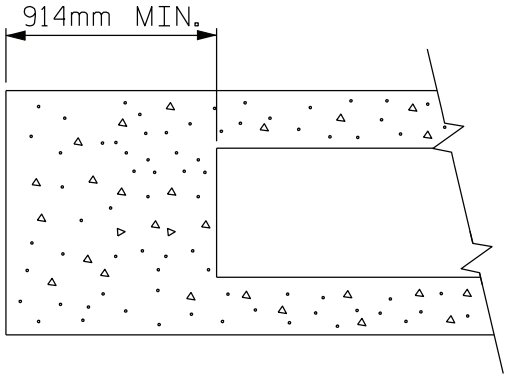
FIGURE 6 – 81a



SLAB SECTION



SHEAR KEY DETAIL



TYP. LONGITUDINAL SECTION

FOR APPROX. MAX. SPAN FOR HL-93,
SEE FIGURE 11-3

533mm CORED SLAB W/203mm VOIDS

AREA: $418.0 \times 10^3 mm^2$
$0.4180\ m^2$

WEIGHT: $0.4180 \times 23.6 = 9.86\ kN/m$

$I_{XX} = 112.5 \times 10^8 mm^4$ $I_{YY} = 301.6 \times 10^8 mm^4$

W = 914mm $J = 223.1 \times 10^8 mm^4$

* = 406mm $C_T = 268.7mm$

H = 533mm $C_B = 264.7mm$

D = 203mm $S_T = 41.9 \times 10^6 mm^3$

$S_B = 42.5 \times 10^6 mm^3$

533mm CORED SLAB W/254mm VOIDS

AREA: $381.5 \times 10^3 mm^2$
$0.3815\ m^2$

WEIGHT: $0.3815 \times 23.6 = 9.00\ kN/m$

$I_{XX} = 110.1 \times 10^8 mm^4$ $I_{YY} = 284.1 \times 10^8 mm^4$

W = 914mm $J = 223.3 \times 10^8 mm^4$

* = 406mm $C_T = 268.9mm$

H = 533mm $C_B = 264.5mm$

D = 254mm $S_T = 40.9 \times 10^6 mm^3$

$S_B = 41.6 \times 10^6 mm^3$

CORED SLAB PROPERTIES

(FOR USE WHEN ANCHORED TEMPORARY BARRIER RAIL ATTACHMENT IS REQUIRED.)

FIGURE 6 – 81a M